



Category	Domain name	Confirmation of time limit for delivery	Confirmation of time limit for delivery	Domain checking section output
Comment checking	Keyword	Frequency of appearance	Frequency-of-appearance-of-comment-keywords checking section output (specified number=1)	Input-output restrictions
	Accurate	3		
	Quick	2		
	Document	1		
	Telephone	1		
Input/output items	Input item	Frequency of appearance	Output item Frequency of appearance	Input-output restrictions
	Article name		Time limit 5 for delivery	
	Number of articles		Price 4	
	Address for delivery		4	
Input/output restrictions	Items	Restrictions, conditions	Frequency of appearance	
	Number of articles	Minimum number of articles	5	
	Time limit for delivery	Earliest time limit for delivery	5	
	Article name	Manufacturer	4	
	Address for delivery	Range	4	
	Price	Lowest price	1	

FIG. 4



Domain in item (Either)	Confirmation of time limit for delivery Order	Example of restriction(or restrictions if any)
Keyword (Isn't there any interesting word ?)	Accurate Quick	
Input items and restrictions (Isn't there any restriction to be specified as a possible input item ?)	Input item Article name Number of articles Address for delivery	Manufacturer Minimum number of articles Range
Output items and restrictions (Isn't there any restriction to be specified as a desired output item ?)	Output item (Time limit for delivery) Price	Restriction Earliest time limit for delivery

FIG. 5

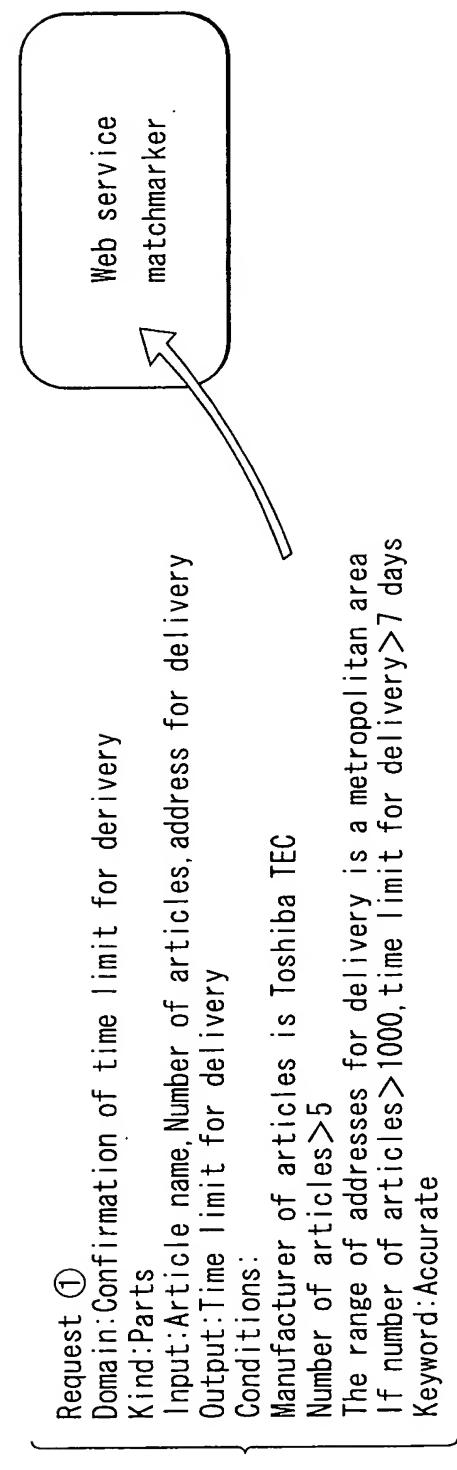


FIG. 6

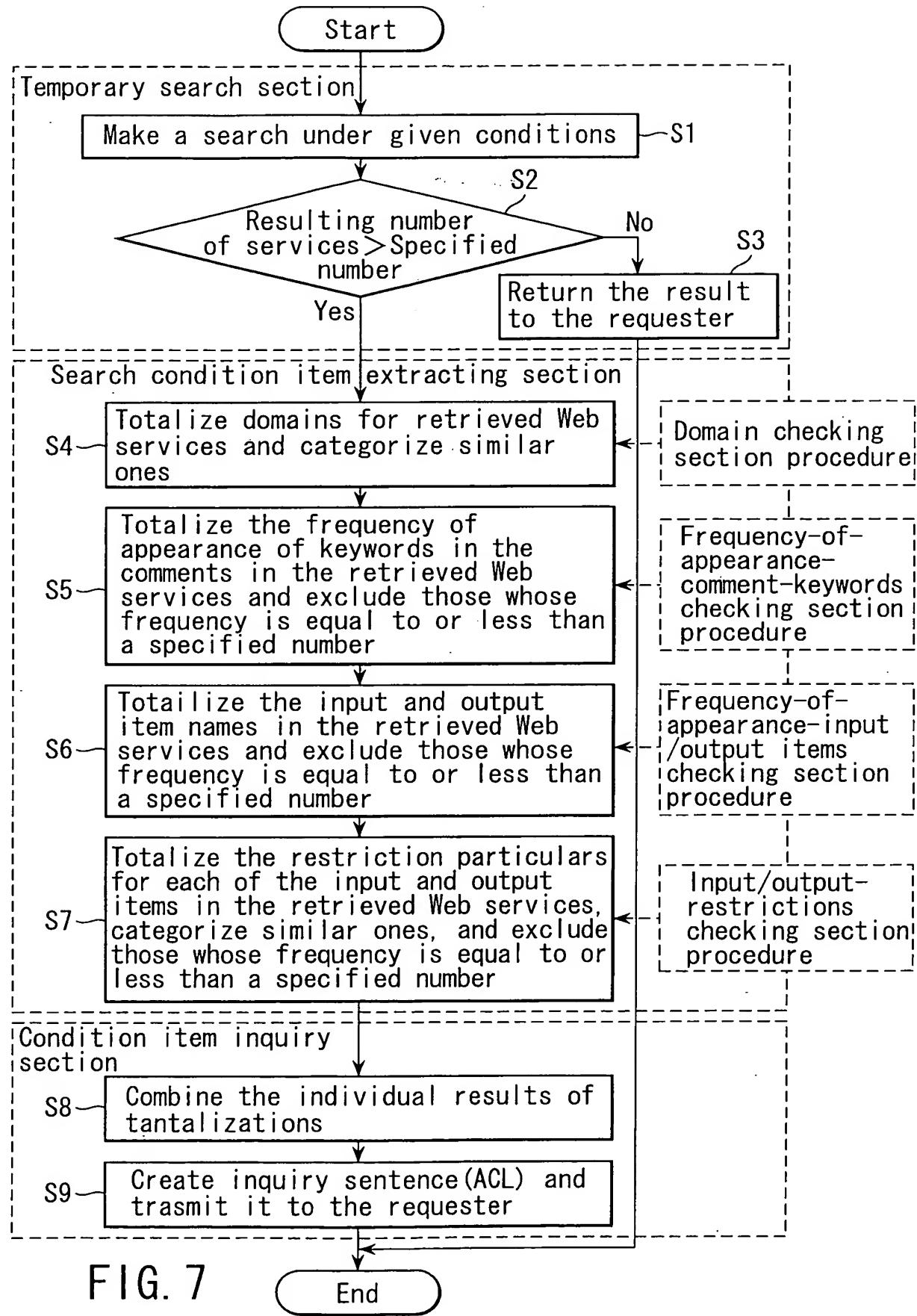
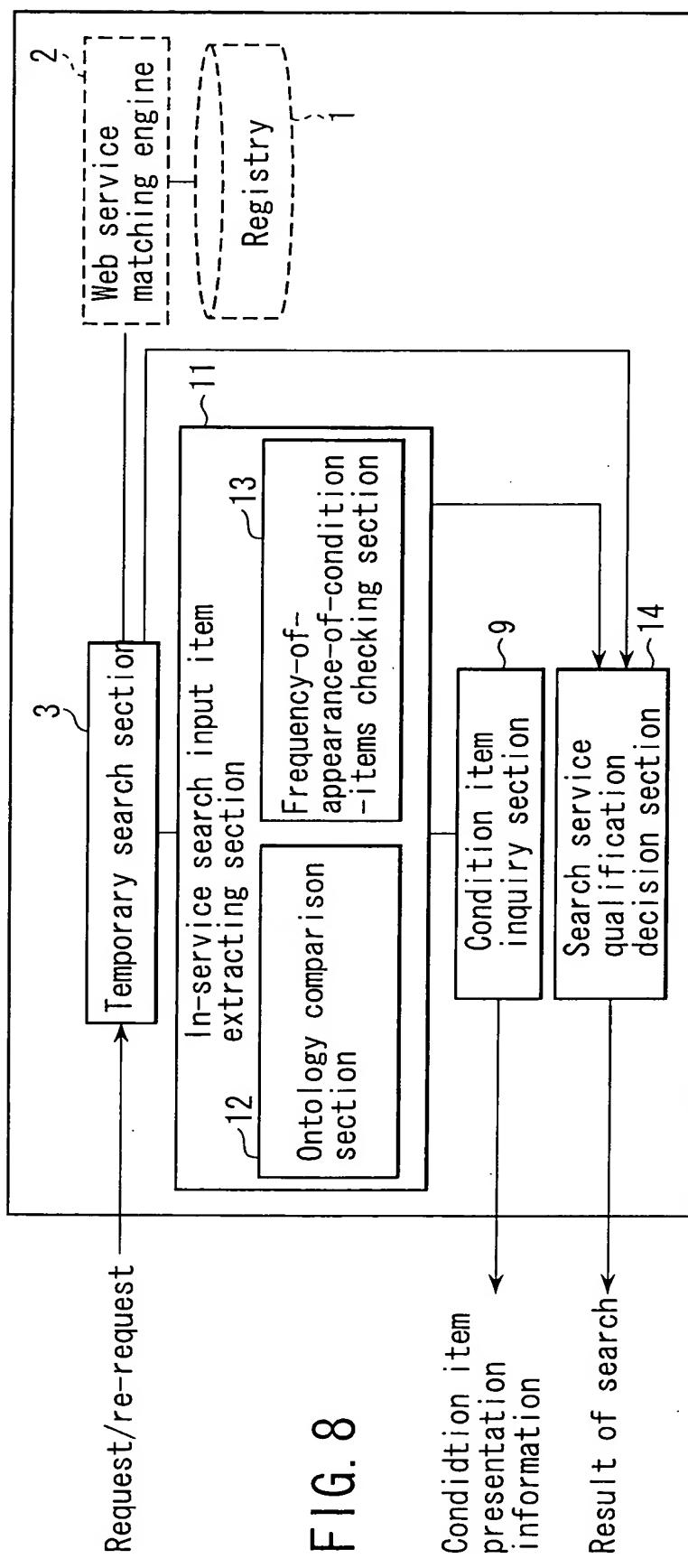
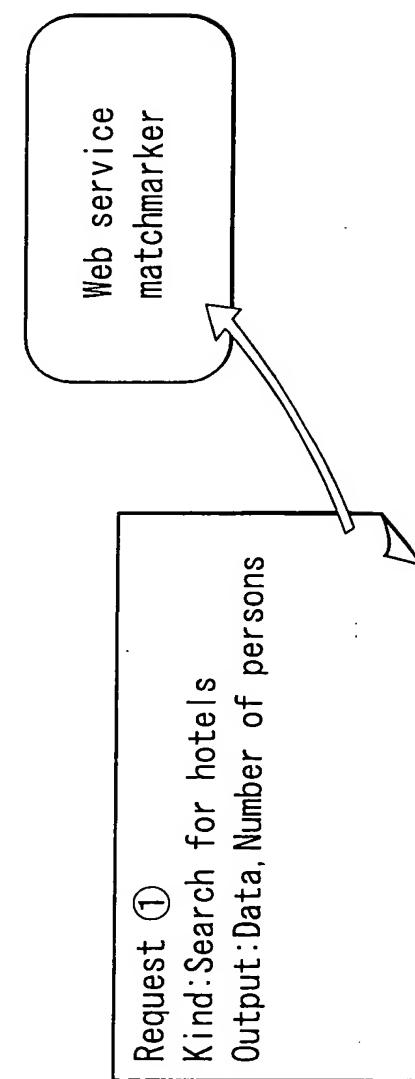


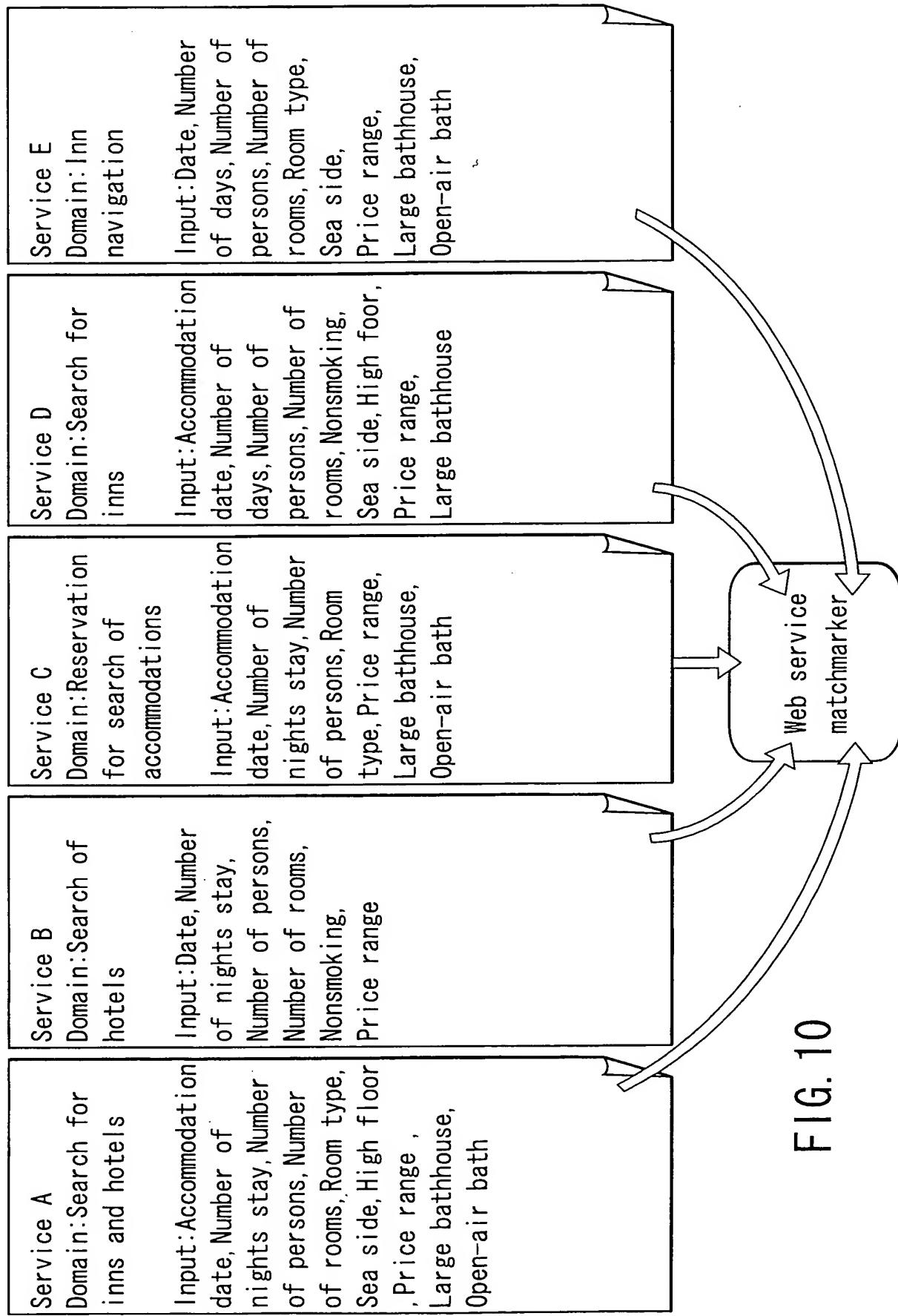
FIG. 7

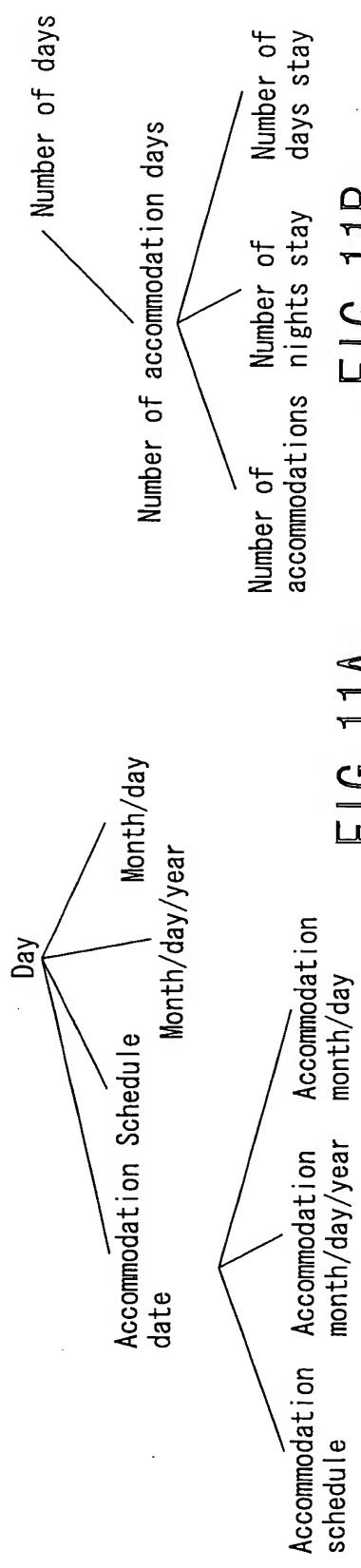


8  
E.G.  
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6  
E.G.





**FIG. 11B**

Service A	Service B	Service C	Service D	Service E
Accommodation date		Accommodation date	Accommodation date	
Date			Date	
Number of nights stay	Number of nights stay	Number of nights stay	Number of days	Number of days
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons
Number of rooms	Number of rooms		Number of rooms	Number of rooms
Room type		Room type	Room type	Room type
Nonsmoking			Nonsmoking	
Sea side			Sea side	Sea side
High floor			High floor	
Price range	Price range	Price range	Price range	Price range
Large bath			Large bath	Large bath
Open-air bath			Open-air bath	Open-air bath

**FIG. 12**



Service A	Service B	Service C	Service D	Service E
Accommodation date	Date	Accommodation date	Accommodation date	Date
Number of nights stay	Number of nights stay	Number of nights stay	Number of days	Number of days
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons
Number of rooms	Number of rooms	Number of rooms	Number of rooms	Number of rooms
Room type	Room type	Room type	Room type	Room type
Sea side	Nonsmoking	Nonsmoking	Sea side	Sea side
High floor	Price range	High floor	Price range	Price range
Price range	Price range	Large bath	Large bath	Large bath
Large bath	Large bath	Open-air bath	Open-air bath	Open-air bath
Open-air bath	Open-air bath			

FIG. 13

Service A	Service B	Service C	Service D	Service E	Frequency of appearance
Accommodation date	Date	Accommodation date	Accommodation date	Date	5
Number of nights stay	Number of nights stay	Number of days	Number of days	Number of days	5
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons	5
Number of rooms	Number of rooms	Number of rooms	Number of rooms	Number of rooms	4
Room type	Room type	Room type	Room type	Room type	3
Sea side	Nonsmoking	Nonsmoking	Sea side	Sea side	2
High floor	Price range	High floor	Price range	Price range	3
Price range	Large bath	Large bath	Large bath	Large bath	2
Large bath	Open-air bath	Open-air bath	Open-air bath	Open-air bath	5
Open-air bath					4

FIG. 14



**FIG. 15**

Day
Number of days
Number of persons
Number of rooms
Room type
Nonsmoking
Sea side
High floor
Price range
Large bath
Open-air bath

**Request ①**  
Kind: Search of inns and hotels  
  
Input: Day, Number of days,  
Number of persons,  
See side, High floor,  
Open-air bath

Web service  
matchmaker

**FIG. 16**

Service A	Service B	Service C	Service D	Service E
6	3	4	5	5

**FIG. 17**

Ranking	Service name
1	Service A
2	Service D
2	Service E
4	Service C
5	Service B

**FIG. 18**

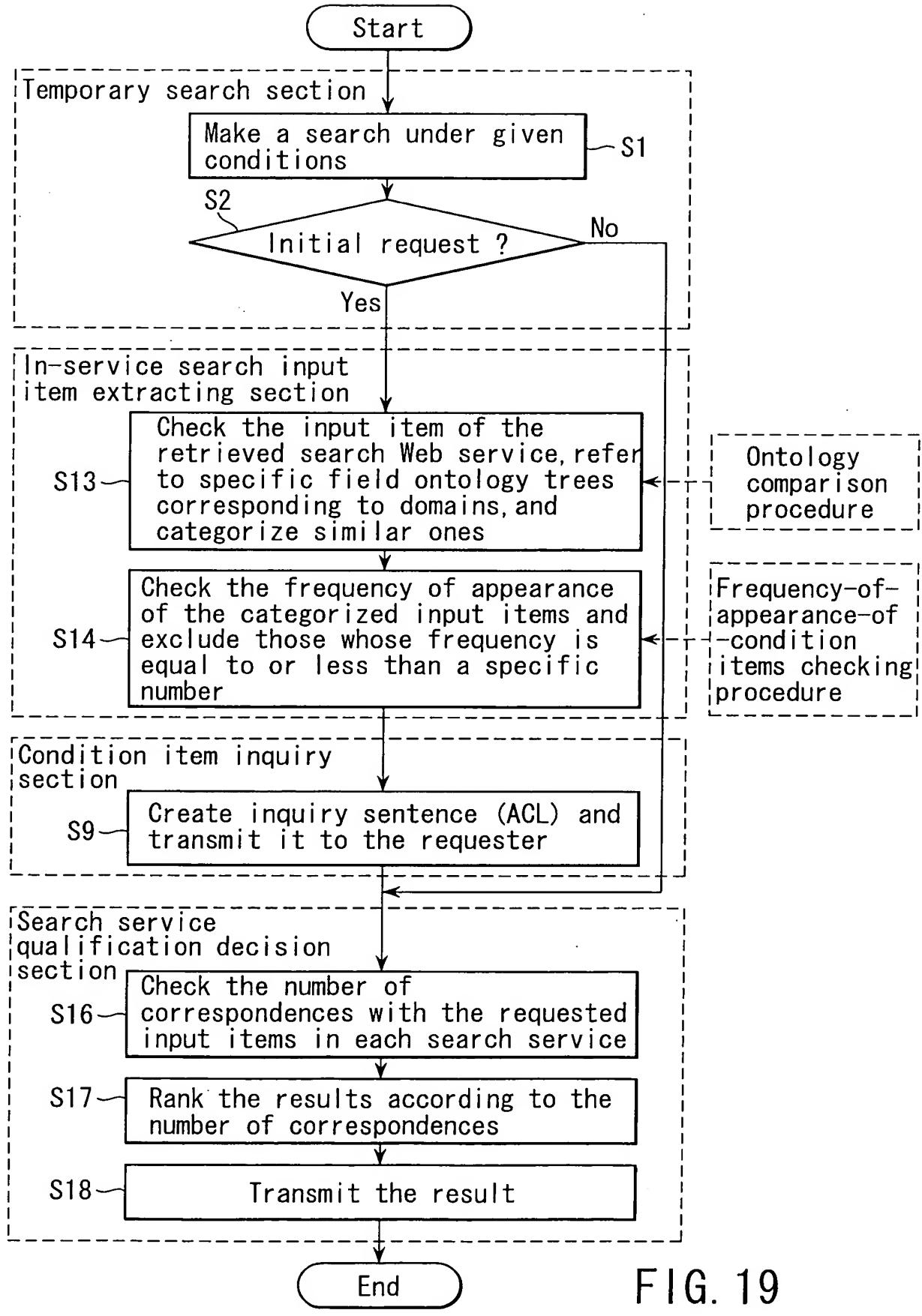


FIG. 19